



# LSI CONTROLTrack FAQ

## CONTROLTrack General information

### 1. What protocols does CONTROLTrack support?

- LSI currently supports 0-10v, DMX, and Lutron Ecosystem. Other protocols that can be transmitted over two or three conductors are also feasible as a custom option.

### 2. Will my non-CONTROLTrack fixtures work with CONTROLTrack?

- LE (Leading Edge) and TE (Trailing Edge) fixtures can be used on CONTROLTrack but will be “Switched” only, meaning that when CONTROLTrack has power, and the fixture power switch is ON, the fixture will illuminate to full brightness. The ONLY way to turn these fixtures OFF is to turn the power switch OFF or to turn power off to the CONTROLTrack.
- ED (Integral Dimming) fixtures can be used on CONTROLTrack and can be dimmed locally at the fixture as they are with other types of LSI track.

### 3. Can I intermingle 2-circuit POWERTrack with CONTROLTrack?

- Please consult the factory before attempting to intermingle POWERTrack and CONTROLTrack.

### 4. Can I intermingle protocols on CONTROLTrack?

- It is possible to intermingle protocols by switching the control type at End Feeds, X, T, L or Straight Joiners, however, each section of track can only be ONE protocol at a time.

### 5. Can the Gemini System incorporate CONTROLTrack?

- Yes, the track in the Gemini System can be CONTROLTrack.

### 6. Is there recessed CONTROLTrack?

- Yes, recessed flangeless CONTROLTrack is available. Applications requiring recessed FLANGED track will require the use of a flanged recessed housing with Surface CONTROLTrack integrated into it.

**7. Can you use Dim to Warm on CONTROLTrack?**

- Yes, Dim to Warm fixtures can be used with CONTROLTrack using 0-10V. Tunable White fixtures specified as DMX can also act as a Dim to Warm option but will require specific programming to achieve this function. Programming is By-Others.

**8. Can CONTROLTrack be vertically (wall) mounted?**

- Yes.

**9. Can I dim the track with phase dimming in addition to existing controls?**

- No, CONTROLTrack MUST be powered by switched power (Breaker or Relay ONLY). Powering CONTROLTrack via a dimmer of any kind (Even when set to “Switched” mode) will damage the fixtures on the track. To eliminate parasitic power draw when the fixtures are “off”, the circuit powering the track must be switched off via a breaker or relay, By-Others.

**CONTROLTrack DMX****1. What fixtures are compatible with DMX control?**

- Most LSI fixtures can be specified with DMX control. Please see the product catalog or ask your LSI Representative for information regarding DMX controlled fixtures.

**2. Can DMX be branched, spliced, or looped?**

- No, CONTROLTrack DMX layouts must be made in such a way that the DMX is in daisy chain topology. No splitting, looping, or splicing is allowed between track sections without proper DMX branching equipment. Additionally, a terminator must be placed at the end of every DMX run.

**3. What are the limits on the number of fixtures and length of DMX run?**

- The DMX protocol supports a maximum of 512 addresses per Universe. LSI fixtures have a 1, 2, or 4 address profile depending on the fixture specified. Each section of DMX CONTROLTrack can support up to 32 devices, per the DMX protocol standard. The maximum recommended length of a single DMX CONTROLTrack run is 300'. For typical applications LSI recommends track lengths of no more than 100 feet, which allows for a fixture density of at least one fixture for every three feet of track. Please consult the LSI factory for additional support for DMX layouts.



- 4. How many universes per track layout.**
  - The number of DMX universes per track layout is dependent on the quantity of fixtures and addresses required to control those fixtures.
- 5. What DMX controller do I need?**
  - LSI CONTROLTrack is Control System agnostic, if the controller outputs DMX and meets the needs of the project, any DMX Control System can be used with LSI CONTROLTrack.
- 6. How do I set the DMX address on the fixture?**
  - Fixtures are addressed via rotary or push-button encoders and on select models, can be set via RDM
- 7. Are you developing any app-based controllers for use with the CONTROLTrack?**
  - No, if an app-based controller is desired, there are various 3<sup>rd</sup> party app based DMX options that can be integrated with LSI CONTROLTrack.
- 8. Can DMX be bypassed, or can a DMX fixture operate in “Stand alone mode”?**
  - Yes, Fixtures with rotary or push-button encoders (non-RDM) can be dimmed locally by setting the DMX address to 900-999 (0-100% respectively). When set to these addresses, the fixture will not respond to DMX.
- 9. Can I control Non-LSI devices with CONTROLTrack?**
  - Yes, there is a data takeoff fitting (TRK-SC-TO-120Z) that will provide a DMX jack and fused 120V outlet.
- 10. What if my space is not wired for DMX?**
  - LSI offers a wireless DMX solution which can get the DMX signal from your controller to CONTROLTrack and does not require additional DMX wiring. Please contact the factory for more information regarding wireless DMX solutions.